

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**

Applicant(s): Eisenberg et al.

Docket No.

265097-000028 (P7187)

Application No.

10/541,666

Filing Date

July 7, 2005

Examiner

Unknown

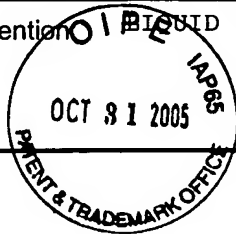
Customer No.

28465

Group Art Unit

2831

Invention: LIQUID BASED ELECTRONIC DEVICE

I hereby certify that this Supplemental Information Disclosure Statement*(Identify type of correspondence)*

is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope

addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on

October 26, 2005*(Date)*Kathryn Walczak*(Typed or Printed Name of Person Mailing Correspondence)*

A handwritten signature in cursive script, appearing to read "Kathryn Walczak".

*(Signature of Person Mailing Correspondence)***Note: Each paper must have its own certificate of mailing.**



PCT 2831  
JC03 Rec'd PTO 31 OCT 2005  
Attorney Docket No.: P7187

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Initial Application of: )  
Eisenberg *et al.* )  
 )  
Serial No.: 10/541,666 )  
 )  
Filing Date: July 7, 2005 )  
 )  
Title: Liquid Based Electronic Device )  
 )  
Group Art Unit: 2831 )  
 )  
Examiner: TBA )  
 )  
Confirmation No.: 8243 )  
 )  
Customer No.: 28465 )  
 )

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, the references on the enclosed Form PTO-1449 are submitted herewith for consideration by the Examiner of the above-identified application. All but one of the cited references are U.S. Patents and in accordance with the Official Gazette of August 5, 2003, in which the USPTO waives the requirement under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and published application for U.S. applications filed after June 30, 2003, the Applicants have not enclosed copies of the cited U.S. patents. Applicants have enclosed copies of the single foreign patent document and the cited non-patent literature document.

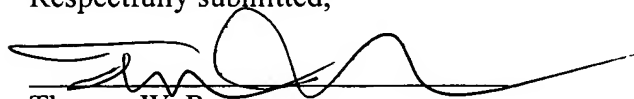
The enclosed information disclosure statement supplements the initial information disclosure statement filed on October 11, 2005. It is believed that none of these references, alone

or in proper combination, discloses or suggests the invention claimed by the applicants. The Applicants request that the Examiner review and consider the references and make them references of record.

The Information Disclosure Statement is being filed before the mailing date of a first Office Action and supplements the original IDS. The Applicants believe no fee is due at this time.

If any fees are owed in connection with this communication, please charge Deposit Account No. 18-2284. (A duplicate copy of this communication is enclosed for that purpose.)

Respectfully submitted,



Thomas W. Ryan  
Reg. No. 43,072  
October 27, 2005

**DLA PIPER RUDNICK GRAY CARY US LLP**  
P.O. Box 64807  
Chicago, Illinois 60664-0807  
(312) 368-4000



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet	1	of	2
-------	---	----	---

**Complete if Known**

Application Number	10/541666
Filing Date	July 7, 2005
First Named Inventor	Eisenberg
Art Unit	2831
Examiner Name	
Attorney Docket Number	P7187 (265097-28)

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

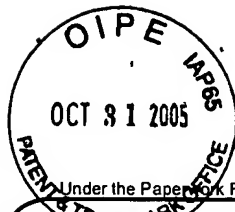
[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**



PTO/SB/08B (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/541666
Filing Date	July 7, 2005
First Named Inventor	Eisenberg
Art Unit	2831
Examiner Name	
Attorney Docket Number	P7187 (265097-28)

Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	Hirofumi Daiguji et al., "Ion Transport in Nanofluidic Channels", Nano Letters 2004, Vol. 4, No. 1, pgs 137-142	
	2	Rohit Karnik et al., "Electrostatic Control of Ions and Molecules in Nanofluidic Transistors", Nano Letters 2005, Vol. 5, No. 5, pgs 943-948	
	3	Hirofumi Daiguji et al., "Nanofluidic Diode and Bipolar Transistor", Nano Letters 2005, Vol. 0 No. 0, pgs A-G (Rev. 9/16/2005)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.